

# **WEBSITE TESTING QUALITYPLUSE**



**SOFTWARE  
TESTER**

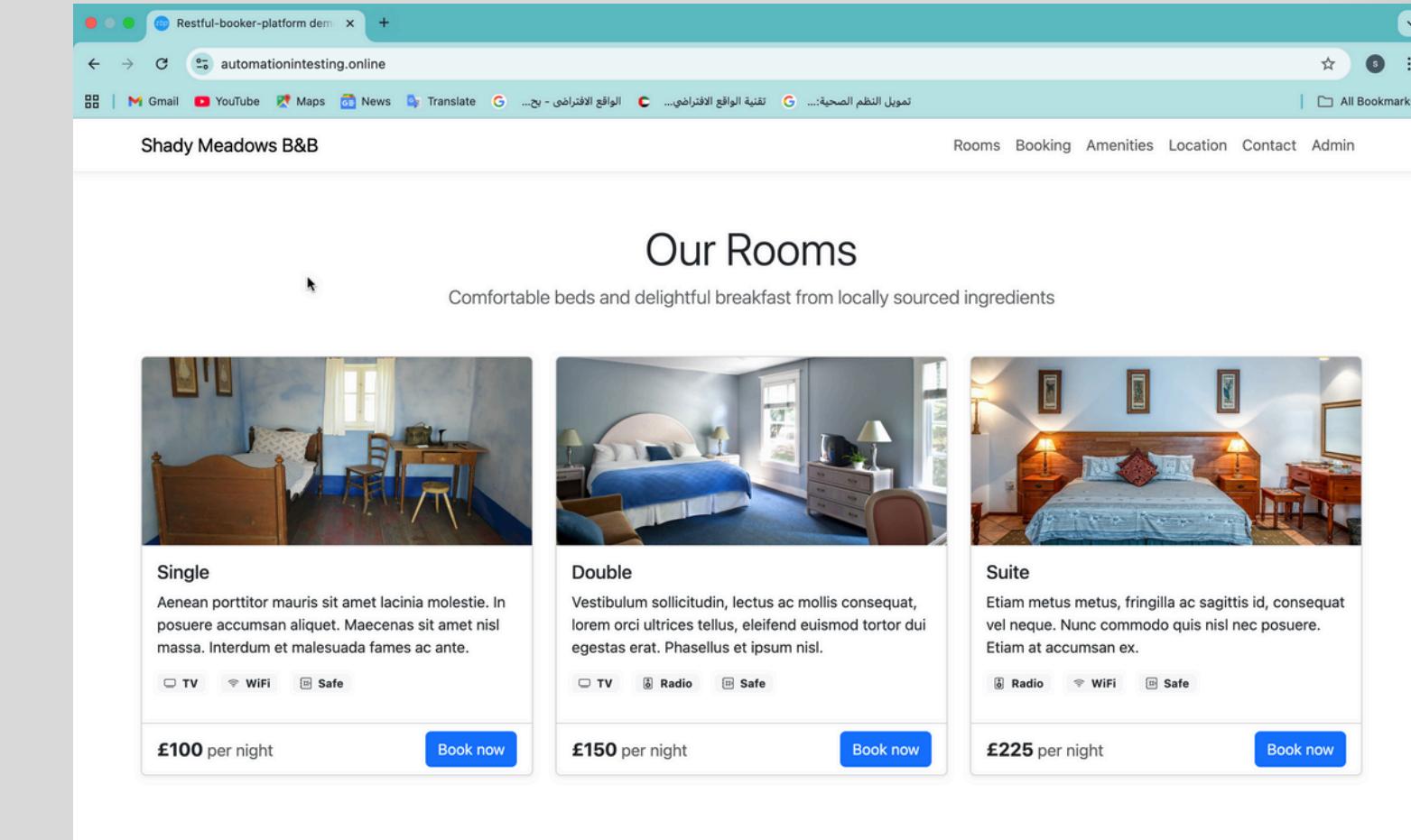
Shadw Farid Mohamed  
Haneen Hamed Elshireef  
Sara Ehab Elgazzar

Roaa ahmed mondy elnagar  
Basmala Mahmoud Elsayed Abdelaziz  
Aya Refaey Abdelsabour Mohammed

# INTRODUCTION

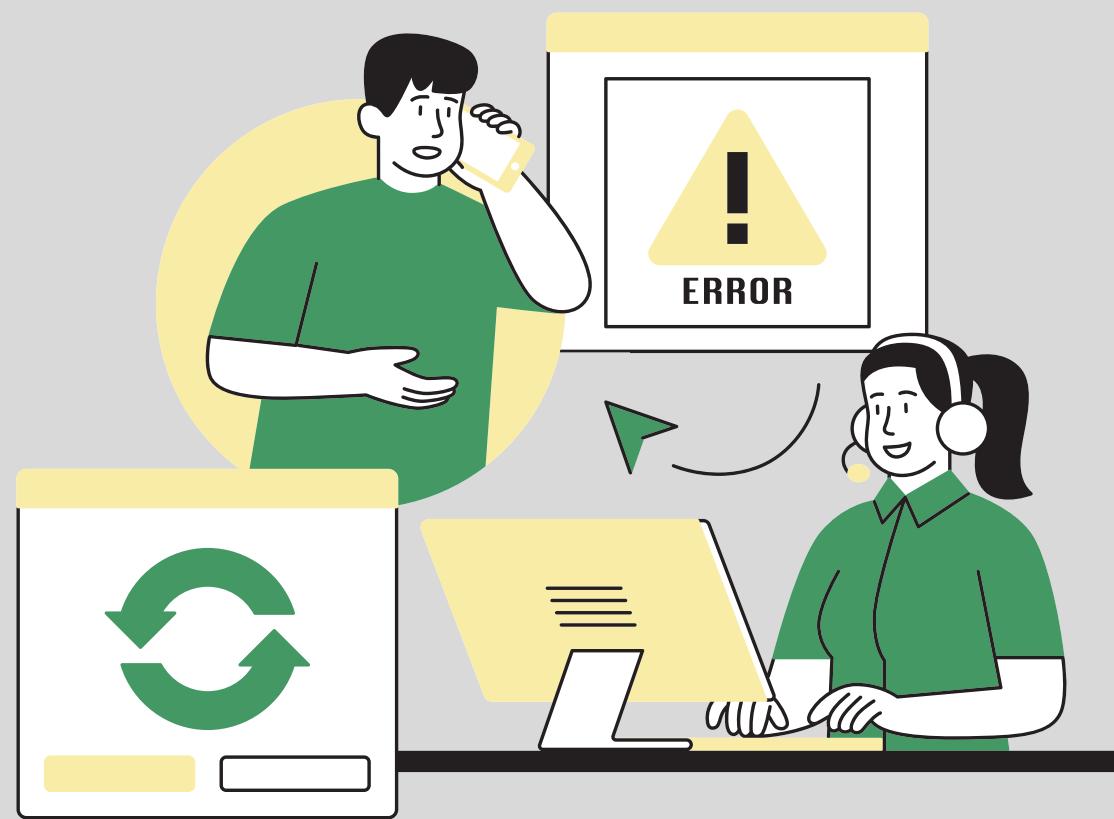
This project focuses on testing the online version of Restful Booker, a hotel booking web application used widely for QA practice.

The goal was to validate core booking functionalities, identify bugs, and ensure the system behaves correctly using both manual and automated testing.



# PROJECT OBJECTIVES

- Verify the main booking workflows (Create, Update, Delete booking).
- Validate form inputs, responses, and UI behavior.
  - Identify functional and usability bugs.
- Automate repeated test cases using Selenium & Java.
- Improve overall reliability through manual + automation coverage.



# TESTING PHASES

## 1. Requirement Analysis

- Reviewed Restful Booker features
- Identified test scope and main functionalities
- Listed functional & UI requirements



## 2. Test Planning

- Selected testing types: Manual + Automation (Selenium Java)
- Defined scope, objectives, tools, and timelines

## 3. Test Design

- Created detailed test cases
- Prepared test data
- Designed scenarios for all pages

## **4. Test Environment Setup**

- Configured Selenium + Maven + TestNG
  - Set up WebDriver and GitHub repo
  - Verified website readiness
- 



## **5. Test Execution**

- Executed manual tests
  - Ran automation scripts
  - Captured screenshots of results
- 



## **6. Defect Reporting**

- Logged bugs with steps, severity, and screenshots
- 



## **7. Test Reporting**

- Prepared test summary
- Documented pass/fail results and recommendations

# TESTING APPROACH

We followed a combined approach

Manual Testing

Automation Testing

Our Github

<https://github.com/Qualityplus>

Website link

<https://automationintesting.online/>

# MANUAL TESTING

During manual testing, all pages of Restful Booker were executed on Chrome & Firefox with focus on:

- Form validation
- Field behavior
- Booking workflow
- Error handling
- Data correctness



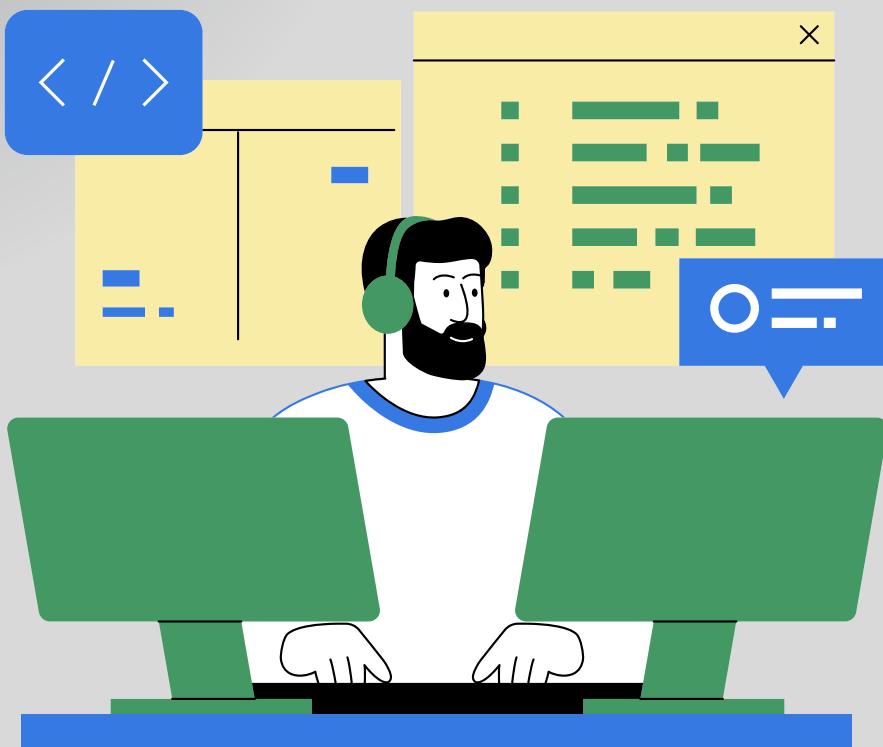
A	B	C	D	E
	Test scenario	Test Steps	Test data	Expected Result
1	Verify that clicking 'Book Now' displays the full list of available rooms on the booking page.	1:open Google 2:Open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3. Wait for the page to load completely 4.Click on "Book Now" button		The page scrolled down and displayed all rooms available for booking
2	TC2 Verify that clicking 'Book Now' for a Single Room navigates to its Details page.	1:open Google 2:Open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3. Wait for the page to load completely 4.Click on "Book Now" button for the single room		The Single Room Details page opens, showing information and providing the option to book it
3	TC3 Verify that selecting Check-in and Check-out dates updates available rooms correctly.	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3:move to Check Availability & Book Your Stay 4:write date for check in and out	Check-in date: 2025-10-20 Check-out date: 2025-10-22	The system displays available rooms for the selected Check-in and Check-out date
4	TC4 Verify that the system rejects invalid Check-in/Check-out dates.	1:open Google 2: Open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Navigate to "Check Availability & Book Your Stay" 4: Enter invalid Check-in and Check-out dates (e.g., Check-in: 2025-10-25, Check-out: 2025-10-20) 5: Click "Check Availability"	Check-in: 2025-10-25 Check-out: 2025-10-20	The system shows an error message and does not display available rooms
5	TC5 Verify that clicking on Contact/Location navigate to the correct location information section."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Navigate to the Contact/Location section (e.g., click the link or scroll)		The page scrolls or navigates to the Contact/Location section successfully
6	TC6 Verify that clicking the 'Rooms' button in the top navigation bar moves to the Rooms section.	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the 'Rooms' button		Clicking the 'Rooms' button in the top bar navigates to the Rooms section
7	TC7 Verify that clicking the 'Booking' button in the top navigation bar moves to the Booking section.	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3:Move to the top navigation bar 4: Click the 'Booking' button		Clicking the 'Booking' button in the top bar navigates to the Booking section
8	TC8 "Verify that clicking the 'Location' button in the top navigation bar navigates to the Location/Map section."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Location" button		Clicking the 'Location' button navigates to the Location/Map section successfully
9	TC9 "Verify that clicking the 'Contact' button in the top navigation bar navigates to the Contact page."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Contact" button		Clicking the 'Contact' button navigates to the Contact page successfully
10	TC10 "Verify that clicking the 'Admin' button in the top navigation bar opens the Admin Login page."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Admin" button		go to login page

A	B	C	D	E
	Test Scenario	Test Steps	Test Data	Expected Result
6	TC5 Verify that clicking on Contact/Location navigate to the correct location information section."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Navigate to the Contact/Location section (e.g., click the link or scroll)		The page scrolls or navigates to the Contact/Location section successfully
7	TC6 Verify that clicking the 'Rooms' button in the top navigation bar moves to the Rooms section.	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the 'Rooms' button		Clicking the 'Rooms' button in the top bar navigates to the Rooms section
8	TC7 Verify that clicking the 'Booking' button in the top navigation bar moves to the Booking section.	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3:Move to the top navigation bar 4: Click the 'Booking' button		Clicking the 'Booking' button in the top bar navigates to the Booking section
9	TC8 "Verify that clicking the 'Location' button in the top navigation bar navigates to the Location/Map section."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Location" button		Clicking the 'Location' button navigates to the Location/Map section successfully
10	TC9 "Verify that clicking the 'Contact' button in the top navigation bar navigates to the Contact page."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Contact" button		Clicking the 'Contact' button navigates to the Contact page successfully
11	TC10 "Verify that clicking the 'Admin' button in the top navigation bar opens the Admin Login page."	1:open Google 2:open <a href="https://automationintesting.online/#booking">https://automationintesting.online/#booking</a> 3: Move to the top navigation bar 4: Click the "Admin" button		go to login page

# AUTOMATION TESTING

Automation was done using:

- Selenium WebDriver
- TestNG
- Java



The screenshot shows an IDE interface with the following details:

- Project:** BookingSite\_Test
- Current File:** testing.xml
- Content of testing.xml:**

```
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="BookingSuite" parallel="methods" thread-count="3" verbose="1">
    <test name="UI Tests">
        <classes>
            <class name="test.HomePageTest"/>
            <class name="test.DoublePageTest"/>
            <class name="test.DoublePageTest"/>
            <class name="test.SingleRoomTest"/>
            <class name="test.SuiteRoomTest"/>
        </classes>
    </test>
</suite>
```

- Run Output:**

```
> ✓ HomePageTest 77 ms
> ✓ DoublePageTe 1 sec 202 ms
> ✓ SingleRoomTe 1 sec 198 ms
    ✓ testRoomNa 1 sec 198 ms
> ✓ HomePageTest 83 ms
> ✓ SingleRoomTest 234 ms
> ✓ DoublePageTest 71 ms
> ✓ HomePageTest 427 ms
> ✓ SingleRoomTest 51 ms

! 1 test failed, 26 passed 27 tests total, 1 min 25 sec

Room Description: Vestibulum sollicitudin, lectus ac mollis consequat, lorem orci ultrices tellus, eleifend euismod tortor dui egestas
Room price: £100
Room Price: £225
Room Description: Etiam metus metus, fringilla ac sagittis id, consequat vel neque. Nunc commodo quis nisl nec posuere. Etiam at accu
Room price: £150
no.of rooms: 3
Room: Single | Aenean porttitor mauris sit amet lacinia molestie. In posuere accumsan aliquet. Maecenas sit amet nisl massa. Interdum
Room: Double | Vestibulum sollicitudin, lectus ac mollis consequat, lorem orci ultrices tellus, eleifend euismod tortor dui egestas e
Room: Suite | Etiam metus metus, fringilla ac sagittis id, consequat vel neque. Nunc commodo quis nisl nec posuere. Etiam at accu
```

# BUGS REPORTED

During testing, several issues were found in booking functions.

Most bugs were related to booking update, delete actions, and form validation.

A	B	C
1 BUG ID	TC4-01	
2 Tester	shadw farid mohamed	
3 Date Submitted		10/17/2025
4 Title	System allows invalid Check-in/Check-out dates	
5 BUG Description		
6 URL	<a href="#">Restful-booker-platform demo</a>	
7 Summary	When entering invalid Check-in and Check-out dates, the system displays available rooms instead of showing an error message.	
8 Steps	1. Open <a href="https://automationtesting.online/#booking">https://automationtesting.online/#booking</a> 2. Navigate to "Check Availability & Book Your Stay" 3. Enter invalid dates (Check-in: 2025-10-25, Check-out: 2025-10-20) 4. Click "Check Availability"	
9 Expected Output	The system should show an error message indicating invalid dates and not display available rooms.	
10 Actual Output	The system allowed invalid dates and displayed rooms for booking.	
11 ScreenShots / Logs		
12 Plateform	mac book	
13 Browser	Google chrome	
14 Adminstrative		
15 Assigned To		
16 Assigned At		
17 Status	open	
18 Priority	Medium	
19 Severity	Major	
20 TEst Case No		
21 Covered Requirements	Requirement: The system must validate that Check-out date is after Check-in date.	
22 Notes		
23 Requirement: The system must validate that Check-out date is after Check-in date.		
24 Analysis		
25 The validation for invalid date ranges is not working. The system does not prevent users from entering a Check-out date before the Check-in date. This needs fixing in the booking logic.		
26		

# RECOMMENDATIONS

- Improve validation messages
- Fix delete/update booking flow issues
- Add API response time monitoring
- Increase automation coverage to 80%
- Maintain regression test suite frequently



# CONCLUSION

The testing of Restful Booker successfully identified multiple functional and UI defects.

Using both manual and automated testing improved coverage and ensured more reliable results.

A re-test is recommended after fixing the reported bugs to ensure system stability.



**THANK YOU**